KOPEC, Maria; PAWELSKI, Slawomir; WEGRZYNOWICZ, Zenon

The fibrinolytic system in blood diseases. Polski tygod. lek. 16 no.13:461-467 27 Mr '61.

1. Z Oddzialu Chorob Wewnetrznych i Pracowni Biochemii Klinicznej; kierownik: prof. dr med. E. Kowalski oraz z Oddzialu Hematologicznego; kierownik: dr med. S. Pawelski, Instytutu Hematologii w Warszawie; dyrektor: doc. dr med. A. Trojanowski.

(FIBRINOLYSIS) (BLOOD DISEASES)

KOPEC, Maria; AMATUNI, Helena

Fibrinolysis in rheumatic patients. Polski tygod. lek. 16 no.34: 1301-1304 21 Ag '61.

1. Z Oddzialu Chorob Wewnetrznych i Pracowni Biochemii Klinicznej Instytutu Hematologii; kierownik: prof. dr med. E. Kowalski i z Instytutu Reumatologii; dyrektor: prof. dr med. E. Reicher.

(RHEUMATISM blood) (FIBRINOLYSIS)

KOPEC, M.

35

POLAND

KULESZA, Aleksandra; Department of Epidemiology (Zaklad Epidemiologii), PZH (Panstwowy Zaklad Higieny -- State Institute of Hygiene), Director: Prof Dr J. KOSTRZEWSKI, Head of the Institute: Prof Dr F. PRZESMYCKI; with the collaboration of J. GOLBA, T. JOPKIEWICZ, M. KACPRZAK, W. KOCIELSKA, M. KOPEC, K. LIPINSKA, R. LUTYNSKI, J. MAKAREWICZ, H. MALYSZKO, K. NEYMAN, A. OLES, S. PESKA, K. POPIELEWICZ, T. RODKIEWICZ, J. ROZWADOWNA, W. SOCZEWICA, S. SZCZESNIAK, D. ZOLNIERZOWA all of the Wojewodztwo Health and Epidemiological Stations (Wojewodzkie Stacje Sanitarno-Epidemiologiczne); H. BOBROWSKI, A. GECOW, J. GELBER, M. GRUSZCZYNSKA, H. JASTRZEBSKA, E. JUZWA, J. KUROCZKIN, Z. RESZKE, R. STANCZYK, J. SZCZNATOWICZOWA, Z. SZCZERSKA, K. SZCZYGIELSKI, S. SZYNDLAR, Z. SWICOWA, J. WAJSZCZUK, R. WARZECHA all of the Departments of Poliomyelitis Patients (Oddzialy dla Chorych na Poliomyelitis) of the Wojewodztwo Health and Epidemiological Stations; J. ADAMSKI (Poznan), H. DOBROWOLSKA (Warsaw), J. BOCHENSKA (Lodz), M. KOENIG (Krakow); H. DOBROWOLSKA of the Department of Virology (Zaklad Wirusologii) of PZH,

1/2

POLAND

Director: Prof Dr F. PRZESMYCKI, technical aid: A. BACINSKA

"Epidemic Situation of Poliomyelitis in Poland in 1961"

Warsaw, Przeglad Epidemiologiczny, Vol XVI, No 4, 1962, pp369-375.

Abstract: [Author's English summary modified] The profound influence on the epidemiology, etiology and clinical picture of poliomyelitis of the introduction of mass immunization with attenuated polio vaccines in 1959 is discussed. Observations on the influence and effect of immunizations with such vaccines on the epidemic situation of poliomyelitis in Poland are reported. 4 tables, 2 diagrams; 5 Polish references.

12/2

KOPEC, Maria; KURATOWSKA, Zofia; CZECHOWSKA, Zofia

A case of generalized vascular dysplasia with an unusual hematologic syndrome. Pol. arch. med. wewn. 33 no.2:201-208 '63.

1. Z Oddzialu Wewnetrznego Instytutu Hematologii w Warszawie Ordynator: prof. dr med. E. Kowalski i z Zakladu Anatomii Patologicznej Instytutu Hematologii w Warszawie Kierownik: dr med. Z. Czechowska.

(FISTULA, ARTERIOVENOUS) (HEMATOLOGY) (PATHOLOGY)
(SPLEEN) (ERYTHROCYTES)

WEGRZYNOWICZ, Zenon; KOPEC, Maria; LATALLO, Zbigniew; KOWALSKI, Edward

Studies on the coagulation and fibrinolytic system in lethally irradiated dogs. Arch. immun. ther. exp. 12 no.4: 524-533 '64

1. Department of Radiobiology and Health Protection, Institute of Nuclear Research, Warsaw.

KOWALSKI, Edward; KOPEC, Maria

Products of degradation of fibrinogen and their importance in hemostasis. Pol. arch. med. wewnet. 35 no.4:539-545 '65.

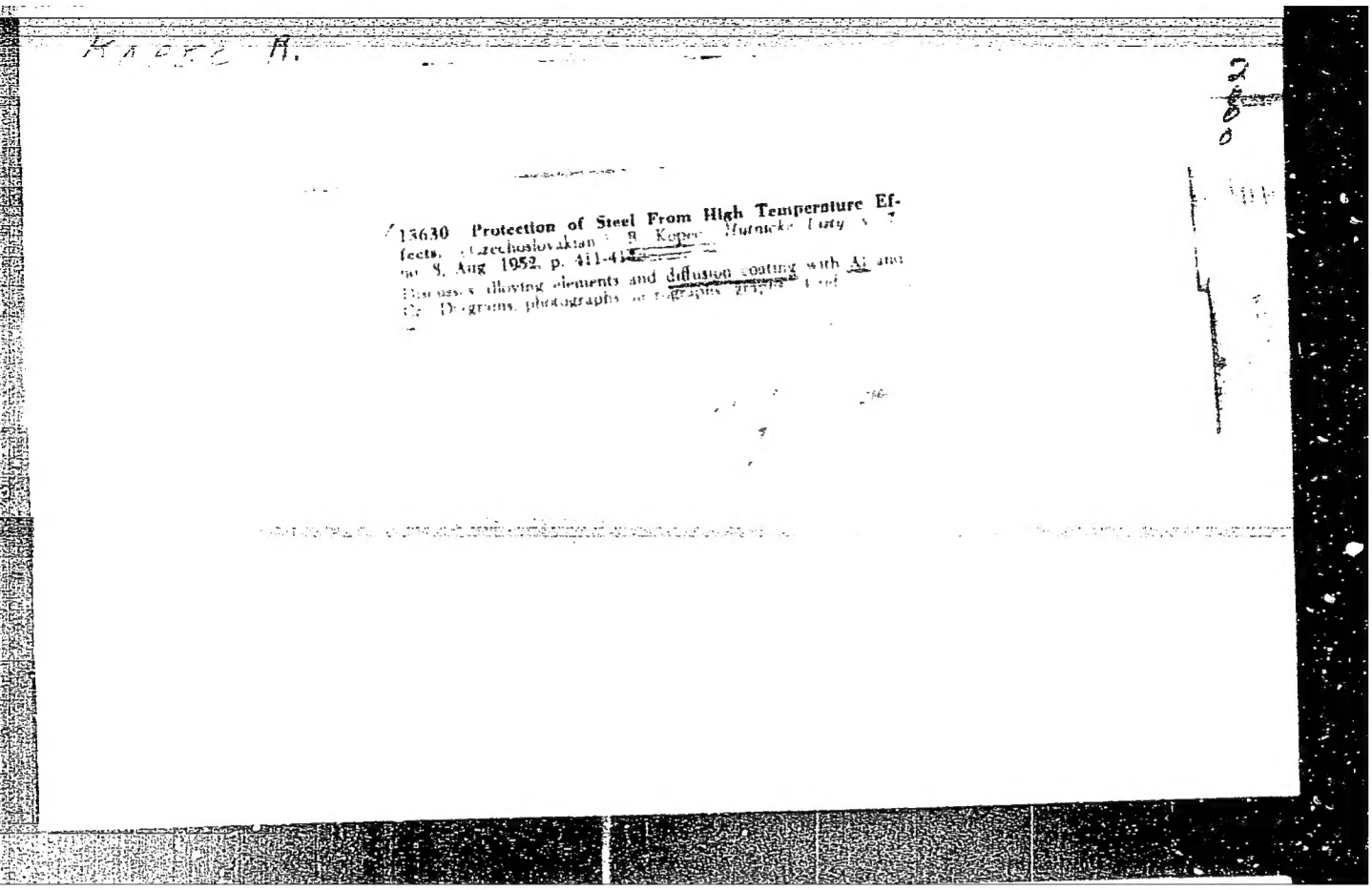
Plasma coagulation, blood platelets and hemostasis. Ibid.: 547-552

1. Z Zakladu Radiologii i Ochrony Zdrowia Instytutu Badan Jadrowych (Kierownik: prof. dr. med. E. Kowalski).

BORKOWSKI, Marian T.; STACHURSKA, Jolanta; LISICKA, Danuta; KOPEC, Maria

Glanzmann's thrombasthenia. Pol. arch. med. wewnet. 35 no.6: 891-896 '65.

1. Z II Kliniki Pediatrycznej AM w Warszawie (Kierownik: prof. dr. med. T. Lewenfisz-Wojnarowska) oraz z Zakladu Biochemii Instytutu Reumatologii (Kierownik: dr. I. Niedzwiecka-Namyslowska) i z Oddzialu Wewnetrznego II Instytutu Reumatologii (Kierownik: doc. dr. med. M. Kopec; Konsultant naukowy Zakladow prof. dr. med. E. Kowalski).



13630 Protection of Steel From High Temperature Effects. Czechoslovakian R. Kopec, Hutnicke Listy, no. 8, Aug 1952, p. 411-41[illegible]
Discusses alloying elements and diffusion coating with Al and Cr. 15 diagrams, photographs or [illegible]

KOPEC, R.

"Situation in the Czechoslovak Technology of the Treatment of Surfaces up to the Year 1952." p. 118 (Strojirenstvi, Vol. 3, no. 2, Feb. 1953, Praha)

SO: Monthly List of East European Accessions, Vol. 3, no. 2, Library of Congress, Feb. 1954, Uncl.

MAZANEK, Eugeniusz; JASIENSKA, Stanislawa; KOPEC, Roman

Structure and phase composition of self-fluxing sinter containing Al_2O_3. Archiw hutn 9 no. 1:55-71 '64.

MAZANEK, Eugeniusz, dr. inz.; KOPEC, Roman, mgr. inz.

Experiments in improving the permeability of sintering charges. Huta Lenina prace no.10:30-35 '61.

MAZANEK, Eugeniusz; JASIENSKA, Stanislawa; BRATASZ, Feliks; KOPEC, Roman

Structure and phase composition of self-flucing sinters. Archiw hutn 7 no.4:305-318 '62.

KOPEC, T., inz.

Application of isotopic meters in the cellulose and paper industry.
Przegl papier 18 no.9:301 S '62.

KOPEC, Tadeusz, inz.

Second Conference of the Association of Engineers and Technicians of Paper Industry on automation of the paper and pulp industry and fiberboard manufacture. Przegl papier 21 no.1:23-25 Ja '65.

1. Association of the Pulp and Paper Industry, Lodz.

KOPEC, Vaclav

Mixed tumors of the salivary glands and their treatment.
Czas. stomat. 18 no.8/9:917-921 Ag-S '65.

1. Z Oddzialu Stomatologicznego Wojewodzkiego Szpitala w Ostrawie (Prymariusz: dr. med. V. Kopec).

SURNAME, Given Name

Country: Czechoslovakia

Academic Degrees: (not given)

Affiliation: Stomatology Department, Kraj Hospital (Stomatologicke odd. Krajske nemocnice) Ostrava /Director V. KOPEC, MD/

Source: Prague, C skoslovenske Stomatologie, Vol 61, No 4, July 61; pp299-305

Data: "Our Experience with Supperiostal Implants"

KOPEC, Vaclav
TOMASEK, Jaroslav

CZECHOSLOVAKIA

GPO 981643

ZAKRZEWSKI, K.;MAY, Z.;MALEC, J.;KRYSIAK, J.;KOWALSKI, E.;CETNAROWICZ, H.;
KOPEC, W.;SZOTT, Z.;WOZNIEWSKA, M.

Proteins and enzymes in conserved blood. Acta physiol. polon 3 Suppl. 3: 236-237 1952. (CLML 24:1)

1. Of the Institute of Hematology (Director--Docent A. Hamsman, M.D.) in Warsaw.

KOPEC, W.

Programmatic keynotes for the activities of the Ministry of Construction. P 1

POLAND

BUDOWNICTWO PRZEMYSLOWE. (Ministerstwo Budownictwa) Warszawa. Vol. 6, no. 1, Jan. 1957

Monthly List of East European Accessions (EEAI) LC. Vol. 8, no. 7, July 1959

Uncl.

KOPEC, W.

Directions of reforms in the field of building economy and organization..

P. 1. (BUDOWNICTWO PRZEMYSLOWE) (Warszawa, Poland) Vol. 7, no. 1, Jan. 1958

SO: Monthly Index of East European Accession (EEAI) LC Vol. 7, No. 5, 1958

METZGER, Mieczyslaw; KOPEC, Waclaw

Staining bacterial cells with fluorescent lysozyme. Arch. immun. ther. exp. 12 no.4:473-482 '64

1. Department of Protozoology, Institute of Immunology and Experimental Therapy, Polish Academy of Sciences, Wroclaw.

KOPEC, Wladyslaw, mgr inz.

Current problems of water supply for agriculture and rural areas and program principles in this field. Gosp wodna 24 no.3:85-87 Mr '64.

1. Undersecretary of State, Ministry of Agriculture, Warsaw.

KOPEC, Z.

What the new rules of awarding prizes to the workers of state forests will bring. p.10

LAS POLSKI. (Ministerstwo Lesnictwa oraz Stowarzyszenie Naukowo-Techiczne Inzynierow i Techników Lesnictwa i Drzewnictwa) Warszawa, Poland
Vol.29, no.4 Apr. 1955

Monthly list of East European Accessions (EEAI) LC, Vol.9, no.2 Feb. 1960

Uncl.

Poland/Electronics - Transistor Apr 52

"Crystalline Layer Triode (Transistor)," Z. Kopec, Inst of Applied Physics, Warsaw Univ

"Postepy Fiziki," Vol 3, No 1, pp 81-102

Review of properties, operation, and applications of transistors. In Poland subject was investigated by L. Sosnowski (Nature, 159 (1946); earlier book: Badania nad zjawiskami fotoelektrycznymi w półprzewodnikach [Investigations of Photoelectric Phenomena in Semiconductors] Warsaw, 1949). ~~Postepy Fiziki, 145-149, 1950.~~

T42

POLAND/Electricity - Semiconductors.

Abs Jour : Ref Zhur - Fizika, No 6, 1959, 13369

Author : Kopec, Z.

Inst : Institute of Physics, Academy of Sciences, Poland, Warsaw

Title : Investigation of the Effective Mass of Current Carriers in GaSb

Orig Pub : Acta Phys. Polon., 1958, 17, No 4, 265-271

Abstract : The thermal emf, the Hall effect, and the electric conductivity were measured for three specimens of p-GaSb and one specimen of n-GaSb in the temperature range from 200 to 400° K. When calculating the effective mass, a count was taken of the scattering of the current carriers by the phonons and by the ionized impurity. The effective mass was found to be a function of the carrier concentration and of the temperature.

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band. Thus, in a specimen placed in a magnetic field

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POLAND/Electricity - Semiconductors. G

Abs Jour : Ref Zhur Fizika, No 1, 1960, 1398

(H), a change occurs in the concentration of the electrons and holes. This effect is called the magnetoconcentration effect. A general system of equations is written for the determination of the dependence of the concentration of the electrons and holes on the temperature in the magnetic field. A specific numerical calculation was made for InSb. The influence of the magnetoconcentration effect on the Hall constant R is examined. In the case of weak H, the usual variation of R is quadratic with H, while the change due to the magnetic concentration effect is linear with H. A numerical calculation shows that in the case of sufficiently weak fields the second variation may exceed the first one by many times. Also considered is a case of strong fields. The theory, as is well known, predicts

Card 2/3

KOPEC, Z.

Density of states effective mass of electrons in InSb. Bul Ac Pol mat 8 no.2:105-109 '60. (EEAI 9:12)

1. Institute of Physics, Polish Academy of Sciences. Presented by A.Soltan
(Indium antimonide) (Semiconductors)
(Thermoelectricity)

KOPEC, Z.

On the scattering of electrons in InSb-n. Bul Ac Pol mat 8 no.2: 111-114 '60. (EEAI 9:12)
(Electrons) (Indium antimonide) (Semiconductors)

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B022/B070

24.7700

AUTHOR: Kopeć, Zbigniew

TITLE: Effective Mass Method in the Case of Non-quadratic Dispersion Formula

PERIODICAL: Acta Physica Polonica, 1960, Vol. 19, No. 3, pp. 295 - 317

TEXT: In the introductory part the author discusses the two assumptions implied in the effective mass method, namely, (a) spherical structure of the conductivity and the fundamental band, and (b) the assumption that the electrons (or holes) occupy only levels close to the bottom of the conducting band (top of the fundamental band), the latter giving a parabolic energy band; and the renouncement of the sphericity hypothesis as a result of the investigations of cyclotron effect in Ge and Si (Ref. 8), by means of which it is possible to correct the formula accounting for the thermoelectric force and mobility in Ge and removing many anomalies. The author then points to experiments, particularly, with n-type InSb which show that the assumption (b) must also be given up, leading to a non-parabolic energy band. The author deals with this modification by

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Effective Mass Method in the Case of Non-quadratic Dispersion Formula

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introducing three fundamental effective masses, two of which, m^* and $1/M$ account for the properties of electron motion in a semiconductor and the third $m_{d.s.}$ describes the electron state density: $D(\varepsilon) = 4\pi(2m_{d.s.})^{3/2}\sqrt{\varepsilon}/h^3$ (ε energy of the electron). These are called differential effective masses. This set of mass coefficients plays a role similar to the effective mass of the earlier theory, called by the author the classical theory. The differential and, subsequently, some of the integral mass coefficients for an InSb crystal are then computed by using Kane's formula (Ref. 7). The calculations show that m^*, $m_{d.s.}$, and $1/M$ (the last is a tensor depending on m_1 and m_2) are increasing functions of energy. The state density mass $M_{d.s.}$(integral), calculated by making an approximation, is found to increase with temperature (Table 1). This is the mass that is obtained in the measurement of thermo-emf, as is shown in an appendix to the paper. The coefficient r in the formula $R = r/nec$ (R - Hall coefficient, n - carrier concentration, e - the elementary charge, and c - the velocity of light) is found to assume the value 1

Card 2/3

Card 3/3

CZECHOSLOVAKIA

REKOVA, L; KOPEC, Z; KEIL, B

1. Institute of Chemistry, Slovak Academy of Sciences, Bratislava - (for 1); 2. Institute of Organic Chemistry and Biochemistry, Czechoslovak Academy of Sciences, Prague - (for 1)

Prague, Collection of Czechoslovak Chemical Communications, No 2, February 1967, pp 676-684

"Isolation and certain properties of wheat β-amylase."

KOPEC-ZALESKA, Ewelina

Isonicotinic acid hydrazide in the treatment of ocular tuberculosis. Klin. oczna 26 no.2:165-170 1956.

1. Z Kliniki Chorob Oczu A.M. w Warszawie-Kierownik: prof. dr. med. W. H. Melanowski. Warszawa, ul. Oczki 6, Klinika Oczna A.M.

(TUBERCULOSIS, OCULAR, therapy
isoniazid (Pol))
(NICOTINIC ACID ISOMERS, therapeutic use,
isoniazid in ocular tuberc. (Pol))

KOPECEK, J.

4893. Carrying out of surge tests, particularly on transformers. M. KONDR, J. KOPAČEK AND V. KUNCIK. *Elektrotech. Obzor*, 42, No. 2, 64–76 (1953) *In Czech.*

After describing the various methods of fault detection during surge tests and a detailed investigation of the applicability of the methods for various operating conditions the [illegible] graphic detection methods [illegible] of published data [illegible] purpose. These tests were performed on a 160 kV A, 22/0·4/0·231 kV transformer with an aluminium winding, a 10 MVA, 71·8/61 kV autotransformer and a 25 MVA, 100/23/6·3 kV transformer with tap-changing under load; in the tests [illegible] current measurement in the [illegible] phases and the current flowing [illegible] applied. Experience gained [illegible] for 220 kV transformers now being manufactured in Czechoslovakia is also described and information is given on the oscillographs, surge generators and pick-up circuits used.

E. GROS

57

KOPECEK, J.

2

621.314.2.042.14

4910. Magnetic circuit with radially laminated core. J. KOPEČEK. *Elektrotech. Obzor*, 42, No. 11, 624-32 (1953) In Czechoslovak.

The chief advantages of radially laminated cores are the low limb height achievable and low iron losses. Preferred applications are to (1) 1-ph. Berry transformers (sometimes 3-ph.) for large power and high voltages where requirements are large [illegible] clearances, large iron cross-section and large area of the transformer window which have to be made compatible with transportability without dismantling for large units; (2) high-duty regulating reactors where the reactive output may be concentrated in one large air gap (up to 1 m long), and where continuous regulation of the reactance over the whole regulating range is required, which is impossible to achieve with cores of the conventional type. The small additional losses in the magnetic circuit are due to the fact that the flux passes in a radially laminated core almost exclusively along the core sheets and not across the stacks as does the leakage flux of conventional cores. Author treats the design of radially laminated cores from first principles, showing the calculation of the main parameters of a 1-ph. Berry-type transformer and a regulating reactor in every detail, particularly the exact computation of the space factor of the iron section of the core. Further hints for design and practical construction of radially laminated cores in general are added.

B. F. KRAUS

KOPECEK, J. (& KOCI, O.)

"Simplified Design of Distance Rings in Transformer Windings."

SO: Elektrotechnik, Czechoslovakia, Vol. 9, No. 1, Jan. 1954 [redacted]

KOPECEK, J.

"Attachment for Screening the Bottom Part of Bushings and Metering Transformers During Testing."
(Screening ring split into 2 halves, Figs. 1 & 2)

SO: Elektrotechnik, Czechoslovakia, Vol. 9, No. 1, Jan. 1954 ([redacted])

KOPECKY, V. J.

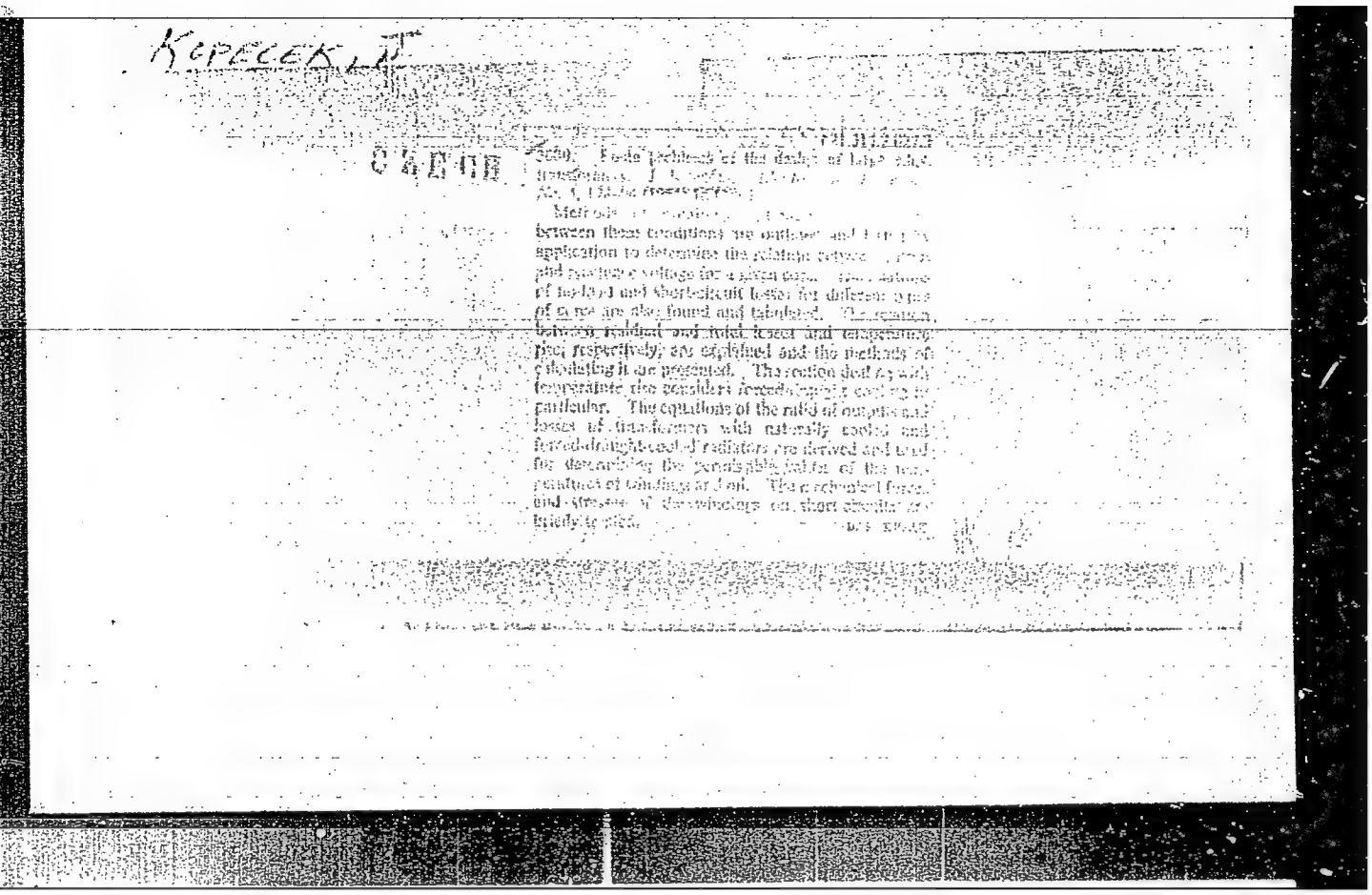
"Changing of the transformation ratio of transformers."
Design measures in new and modifications in existing transformers to permit operation under various conditions of changing over to different standardized voltages of a supply system.

SO: Elektrotechnik, Czechoslovakia, Vol. 9, No. 1, Jan. 1954 ([redacted]
[redacted] # [redacted])

KOPECEK, J.

"Change of transmission and connection of transformers." Elektrotechnik, Praha, Vol. 9, No. 2, Feb. 1954, p. 39.

SO: Eastern European Accessions List, Vol. 3, No. 11, Nov. 1954, L.C.



between these conditions are outlined and [illegible] application to determine the relation between [illegible] and maximum voltage for a given [illegible] of load and short-circuit losses for different [illegible] of core are also found and tabulated. [illegible] between residual and total losses and temperature rise, respectively, are established and the methods of calculating it are presented. The section dealing with temperature rise considers forced-cooled coils in particular. The equations of the ratio of output to total losses of transformers with naturally cooled and forced-draft-cooled radiators are derived and used for determining the permissible value of the maximum [illegible] of winding or coil. The [illegible] and [illegible] of the principles on short circuits are briefly [illegible]

KOPECEK, J.

Kopecek, J. Development of 220-kv, control transformers in the Lenin Works in Plzen. p. 144. ELEKTROTECHNIK, Praha. Vol. 10, no. 5, May 1955.

SO: Monthly List of the East European Accession, (EEAL), LC. Vol. 4, no. 10, Oct. 1955. Uncl.

KOPECEK, J.

Graphic papers and their use in electrical engineering. p. 192.
(ELECTROTECHNICKY, OBZOR, vol. 44, no. 4, Apr. 1955, Praha)

SO: Monthly List of East European Accession,(EEAL) LC, Vol. 4, No. 11,
Nov. 1955, Uncl.

621.314.21.027.3

5047. The first 220kV transformers made in Czechoslovakia. J. Korček. *Elektrotech. Obzor*, 44, No. 5, 272–4 (1955) [Czech]

Description of 1-ph. 220kV regulating transformers supplied in 1951 by the Lenin Works in Pilsen for the 220kV grid. General and performance data are given briefly, since more comprehensive reports on design, testing and operational experience with these transformers were published previously. These are referred to in the bibliography.

ELECTRICAL RESEARCH ASSOCIATION

KOPECEK, J.

Comparison of important values and terms according to various standards for transformers. p. T31.

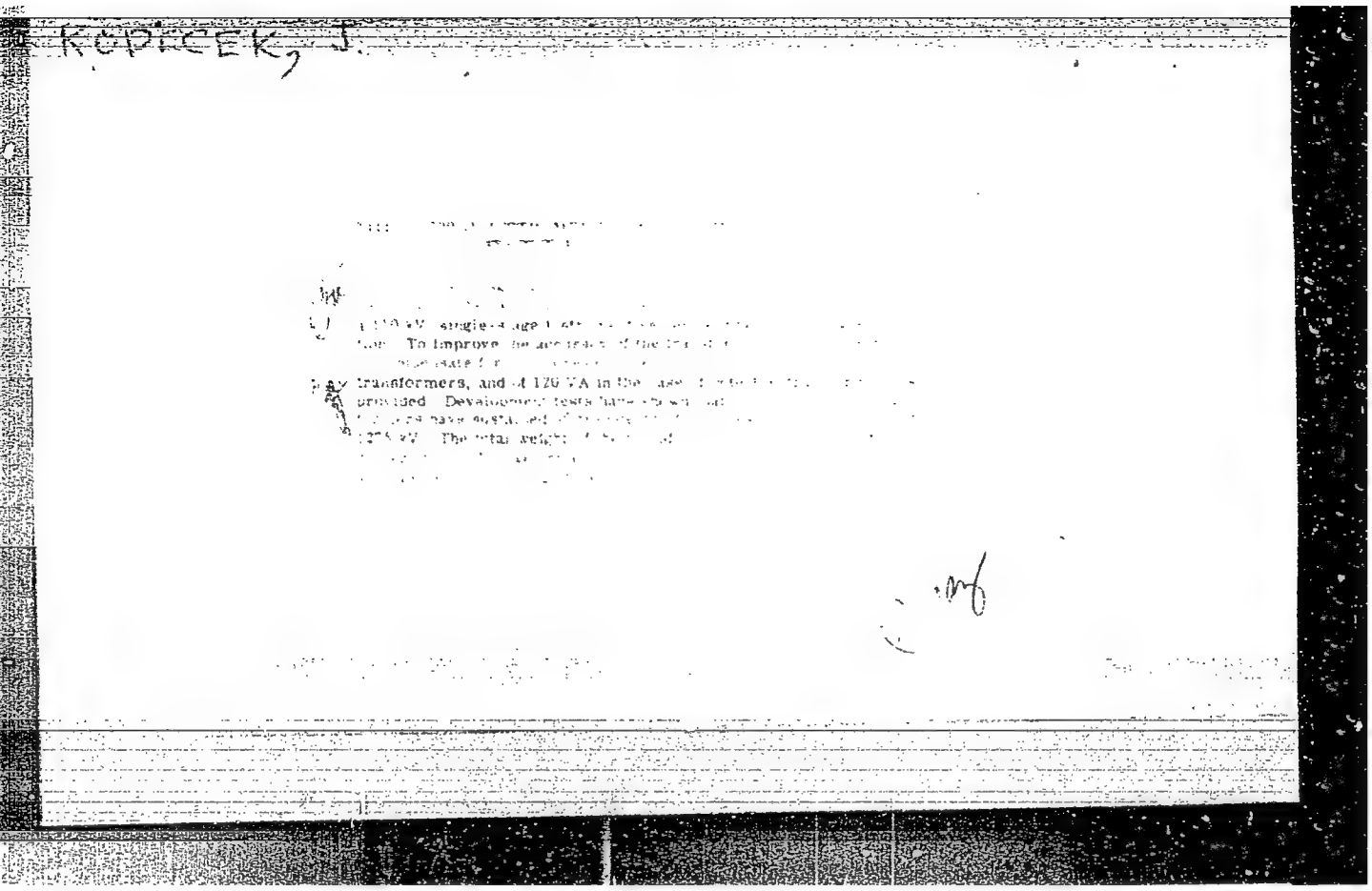
ELEKTROTECHNICKY OBZOR, Praha, Czechoslovakia, Vol. 44, No. 9. Sept. 1955.

Monthly list of East European Accessions, (EEAI) LC, Vol. 8, No. 10 Oct. 1959. Uncl.

Kopecek, J.

Short-circuit voltages in block transformers connected to several generators. p.116. ELEKTROTECHNICKY OBZOR. (Ministerstvo strojirenstvi a Ministerstvo paliv a energetiky) Praha. Vol. 45, no.3, Mar. 1956

Source: EEAL LC Vol. 5, No. 10 Oct. 1956



KOPECEK, J

3433 ARC SUPPRESSION
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The inductive reac
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functioning
of the reactance
netic circuit of the coil so that
plane of the axis, consisting of radially disposed laminations. The

KOPECEK, J.

KOPECEK, J. Instrument transformers for voltage up to 220 kv. p. 57.

Vol. 12, no. 2, Feb. 1957
ELEKTROTECHNIK
TECHNOLOGY
Czechoslovakia

So: East European Accession, Vol. 6, No. 5, May 1957

KOPECEK, J.

220 kv. transformers for the Maggia power plants in Switzerland.
Tr. from the German. p. 98.
(Elektrotechnicky Obzor, Vol. 46, no. 2, February 1957. Praha, Czechoslovakia)

SO: Monthly List of East European Accessions. (EEAL) LC. Vol. 6, No. 6, June 1957. Uncl.

KOPECEK, J.

Transformers for 380 kv. power networks. p. 203.

(Elektrotechnicky Obzor. Vol. 46, no. 4, Apr. 1957. Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 10, October 1957. Uncl.

Kepcek J.

EQUIVALENT CIRCUIT OF [illegible] TRANSFORMERS

J. Kepcek

Elektrotech. Obzor, Vol. 46, No. 5, 215-20 (1957). In Czech.

An equivalent circuit of [illegible] transformers [illegible] load impedances and a single leakage [illegible] considering the distribution of the magnetic [illegible] the leakage paths. The circuit [illegible] operation of transformers with reverse energy flow for no-load, short circuit and for full load conditions. [illegible] gram is investigated by comparing the simplifications with the actual physical parameters. With a delta—star transformation the circuit is converted to the usual T-circuit and [illegible] discussed for power, potential and current transformers.

KOPECEK, J.

Helping translators of technical literature. p. 375.

(Elektrotechnicky Obzor. Vol. 46, no. 7, July 1957. Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 10, October 1957. Uncl.

KOPECEK, J.

Determination of overcurrent characteristics of a measuring current transformer by computation.

P. 559. (ELEKTROTECHNICKY OBZOR) (Praha, Czechoslovakia) Vol. 46, no. 11, Nov. 1957

SO: Monthly Index of East European Accession (EEAI) LC Vol. 7, No. 5, May 1958

KOPECEK, J.; HRBECK, B.

Impulse strength of Skoda V. H. V. instrument transformers. p. 16.

CZECHOSLOVAK HEAVY INDUSTRY. SKODA NEWS. Praha, Czechoslovakia.
No. 2, 1958.

Monthly list of East European Accessions (EEAI) LC, Vol. 8, No. 10,
Oct. 1959.
Uncl.

KOPECEK, J.: HRBEK, P.

"Verification of the insulation safety of instrument transformers for 220 kv.

p. 74 (Elektrotechnicky Obzor. Vol. 47, no. 2, Feb. 1958, Praha, Czechoslovakia)

Monthly Index of East European Accessions (EEAI) LC,Vol. 7, No. 6, June 1958

KOPECEK, J.

621.314.224

2

80. RELATION BETWEEN THE CLASS OF ACCURACY AND THE OVERCURRENT CHARACTERISTIC OF A CURRENT TRANSFORMER. J.Kopeček.
Elektrotech. Obzor, Vol. 47, No. 9, 456-9 (1958). In Czech.

Derives current-error relation for current transformers in the range above their rated range, assuming saturation value for the induction. Discusses influence of burden, permissible overload and permissible error upon design of transformer. N.Klein

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KOPECEK, J

TECHNOLOGY

ELEKTROTECHNICKY OBZOR.

KOPECEK, J. Answering the discussion concerning the terms amperzavity and proudeni p. 657.

Vol. 47, No. 12, Dec., 1958

Monthly List of East European Accessions (EEAI) LC Vol. 8, No. 5 May 1959, Unclass.

KOPECEK, J

PHASE I BOOK EXPLOITATION CZECH/4388

Bašta, Jan, Professor, Engineer, Doctor, Vojtěch Kulda, Engineer, Zdeněk Zoubek, Engineer, Jan Kopeček, Engineer, Zbyněk Vlášek, Engineer, Bedřich Paderta, Engineer, Miroslav Kondr, Engineer, Miloš Frýdl, and Jiří Kulda, Engineer

Měření na elektrických strojích. [sv.] 2: Měření na transformátorech (Measurements of Electric Machines. v.2: Measurements of Transformers) Prague, SNTL, 1959. 247 p. 2,700 copies printed.

Reviewer: Vladimír Hrbek, Engineer; Resp. Ed.: Ladislav Ženíšek, Engineer; Chief Ed.: František Kašpar, Engineer, Doctor; Tech. Ed.: Marie Králová.

PURPOSE: This book is intended for electrical engineers concerned with transformer problems.

COVERAGE: The book constitutes the second part of a collective work on measurements of electrical machines. It contains a list of preliminary operations in testing transformers and on measuring individual quantities: mechanical,

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Measurements of Electric (cont.) CZECH/4388

electric, magnetic, and thermal. Testing procedures for special transformers, transducers, reactors, and choke coils are also treated. The equipment used in test rooms, the testing methods, and the preparation of the results of measurements are described. Engineer Vojtěch Kulda wrote most of Chapters I, III, XVII, XIX, XXI, cooperated in writing Chapters II, VII, VIII, IX, XI, XII, XIV, XX, XXIV, and contributed to Chapters IV, V, VI, XV, and XVI. Engineer Zdeněk Zoubek wrote most of Chapters IV, V, VI, VII, IX, X , XXIII, cooperated in writing Chapters II, VIII, XI, XII, XXIV, and contributed to Chapters I and XVI. Professor Engineer Doctor Jan Bašta wrote most of Chapters XIII, XVI, XXII, cooperated in writing Chapters VIII, XII, XIV, XVII, and contributed to Chapters XV, XVIII and XX. Engineer Jan Kopeček wrote most of Chapters XV and XX, cooperated in writing Chapters VIII, XII, XIV and XVII, and contributed to Chapters I and XVI. Engineer Bedřich Paderta cooperated in writing Chapter I and contributed to Chapters II, III, IV, VI, VII, VIII, XI, XII, XV, XVI, XIX and XX. Engineer Zbyněk Vlášek cooperated in writing Chapters I, XVII and XXIV, and contributed to Chapters IV, VIII and XII. Engineer Miroslav Kondr cooperated in writing Chapters XIV and XV. Miloš Frýdl wrote Chapter XVIII. Engineer Jiří Kulda cooperated in writing Chapter XIV and contributed to Chapter XV. The editors thank Engineer Doctor Jiří Lammeraner, Corresponding Member of the Czeckoslovak Academy of Sciences and Engineer V. Hrbek. References follow each chapter.

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Uncl.

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L 42242-66

ACC NR: AP6031551 SOURCE CODE: CZ/0017/65/054/009/0425/0429

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AUTHOR: Kopecek, Jan (Engineer)

ORG: SKODA Plants, Plzen

TITLE: Complex error diagram of a current transformer in space

SOURCE: Elektrotechnicky obzor, v. 54, no. 9, 1965, 425-429

TOPIC TAGS: electric transformer, function

ABSTRACT: For a more profound development of the theory of the function of current transformers and its practical application it is advantageous to consider the two-dimensional complex magnetizing curve as well as the isopleth z_c = constant of the complex error diagram as projections of the corresponding space curves into the respective plane. The relations between both space curves are analogous to those valid between their projections. The graphs of the functions $\varepsilon_I = f(I)$ and $\delta_I = f(I)$ then are projections of the space isopleth Z_c = constant forms a curved surface, which is a space area of actual errors, and its projections into the coordinate planes $I = 0$, $\delta_I = 0$ and $\varepsilon_I = 0$ give the area of actual errors in the individual planes in the usual conception. In designing a current transformer, the space area of actual errors can be regarded as an equipotential area of a certain potential function whose gradient indicates the optimal convergence of the solution. This paper was presented by Engineer K. Nosek. The author thanks Jiri Klatil, Candidate of Sciences, of the Polytechnic Institute, Plzen, for his contribution and assistance in the analysis of this problem. Orig. art. has: 3 figures and 12 formulas. [Based on author's Eng. abst.] [JPRS]

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UDC: 621.314.224.8.012

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obesity during ther., etiol. factors (Cz))
(OBESITY, in inf. & child
during ther. of rheum. heart dis., etiol. factors (Cz))

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(DIPLOCOCCUS PNEUMONIAE) (STREPTOMYCIN) (DRUG RESISTANCE, MICROBIAL)
(DNA, BACTERIAL) (AGAR) (POTASSIUM) (CHLORIDES)

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COUNTRY : CZECHOSLOVAKIA
CATEGORY : Chemical Technology. Chemical Products and Their Uses. Part 4. Synthetic Polymers. Plastics
ABS. JOUR. : RZKhim., No. 1 1960, No. 3045

AUTHOR : Kopecka, J.; Stamberg, J.
INST. : -
TITLE : Heterogeneous Ionite Membranes

ORIG. PUB. : Chem. prumysl, 1959, 9, No 1, 43-46

ABSTRACT : The mechanical properties and /Ion/ exchange capacity of heterogeneous membranes were studied on the basis of the cationite of Czechoslovak manufacture "Katex S" (sulfurated copolymer of styrene and divinyl benzene) and anionite Wofatit L-165 (GDR). High-pressure polyethylene, polyisobutylene, their mixtures and chloroprene rubber were used as carriers of ionites*. It was established that the best combination of mecha-

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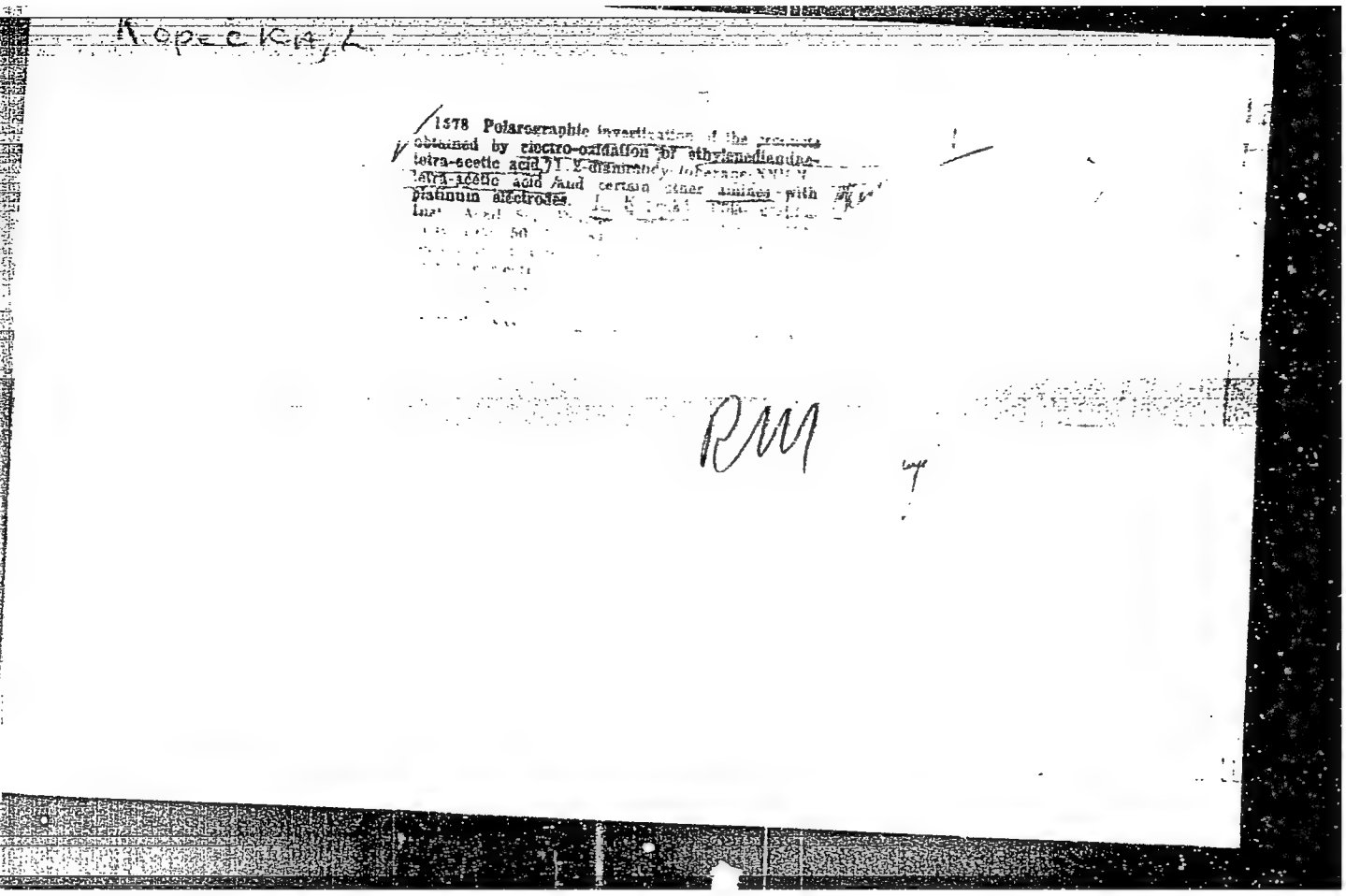

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June 1959
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